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Reviewer: Keisha Douglas

Timestamp: [year=2009; month=1; day=23; hr=14; min=18; sec=3; ms=533;]

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Application No: 09237183 Version No: 3.0

Input Set:

Output Set:

Started: 2009-01-09 15:19:13.612

Finished: 2009-01-09 15:19:38.629

Elapsed: 0 hr(s) 0 min(s) 25 sec(s) 17 ms

Total Warnings: 0

Total Errors: 0

No. of SeqIDs Defined: 2814

Actual SeqID Count: 2814

<110> Cheikh, Nordine
 Fisher, Dane K.
 Liu, Jingdong

<120> Nucleic Acid Molecules And Other Molecules Associated With The
 Sucrose Pathway

<130> 38-21(15089)B

<140> 09237183

<141> 1999-01-26

<150> US 60/067,000

<151> 1997-11-24

<160> 2814

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<400> 2

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 aaaacttttg aagtatgttt tgagcagatg aaggcttttg cagatagtat ttcgcactgg 180
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 atgtagatgt tgtggtggca cctccattca tctatattgt tcagggttaag aattcactaa 180
 ctggtcgcac tgaggtttct gctcagaatg tgtggattgg aaaaggagga gcctacaccg 240
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 gtggcaactg gaaatgcaat ggaaccacag atcaggtcga gaagattgtc aaaaccctga 180

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catggtgacg acatctgagc gcagagctct gttgggtgaa tcagtgatgt gctgctgata 180
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<212> DNA
<213> Zea mays

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<400> 8

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ccaagcgtga cccgtccacc gaagtcgtca tcgccccctc cgccatctat ctgcgcgtca 180
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gcggtgctta tac 253

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aattgcttgc attggtgaga cccttgagca gagagaggca ggaacaacaa tggatgttgt 180
tgctgcacaa acaaaggcta ttgctgaaaa aatatcagat tggacaaata ttgtgttggc 240
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<210> 11
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<212> DNA
<213> Zea mays

<400> 11

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tggtgctgca caaacaaagg ctattgctga aaaaatatca gattggacaa atattgtgtt 180
ggcatatgaa ccagtttggg ctattggtac cggcaaagtt gcaattccgg ttcaggctca 240
ggaggtccat gatggc 256

<210> 12
<211> 163
<212> DNA
<213> Zea mays

<400> 12

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tcacccacag aaccttggtg ggtagcctag cctccctggg acccctacgc ttaccatata 120
ctgagtggcg tcccttttgc ttggcgctcat gtgcccttct tgc 163

<210> 13
<211> 310
<212> DNA

<213> Zea mays

<400> 13

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cactggtgaa gtcagtgtcg agatgctcgt caaccttggg gttccctggg tcattcttgg 120

acactctgaa aggagagctc tgctgggaga atcaaatgaa tttgttggag acaaggttgc 180

gtatgccttg tctcagggaac taaaggatcat tgcattgtgt ggtgagaccc ttgagcagag 240

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caaggactgg 310

<210> 14

<211> 297

<212> DNA

<213> Zea mays

<400> 14

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gtcattcttg gacactctga aaggagagct ctgctgggag aatcaaatga atttgttga 180

gacaagggtg cgtatgcctt gtctcaggga ctaaagggtc ttgcatgtgt tggtagagacc 240

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<210> 15

<211> 305

<212> DNA

<213> Zea mays

<220>

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<222> (1)..(305)

<223> unsure at all n locations

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ccatggaggt tgttgctgca caaacaaaag caattgctga gaagatcaag gactggagca 180

acgtagtgtg tgccatgaa ccagtttggg ctattggaac tggtaaagtt gccacccag 240

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<210> 16
<211> 321
<212> DNA
<213> Zea mays

<400> 16

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gggattggct aaagaccaat gccagccctg aggttgctga atctactagg atcatctacg 120
gaggctctgt aactgctgcg aactgcaaag agctagcagc acagcctgat gtcgatggtt 180
ttcttgcgg tggagcttct ttgaagcctg agttcatcga catcatcaac gcggccaccg 240
tgaagtcgc ttaagatgct acgctgaaga cgaacatact ttttttttgc tcaactgtgc 300
tatgtaagct agtagctttt g 321

<210> 17
<211> 285
<212> DNA
<213> Zea mays

<400> 17

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cacggtgaag tccgcttaag atgctacgct gaagacgaac atactttttt tttgctcaac 180
tgtgctatgt aagctagtag cttttgcgca ggagcagaga ctgttttgcc tgccccaac 240
ttctagcttg agcttgctaa taatgtttac ctctggacgt atcaa 285

<210> 18
<211> 338
<212> DNA
<213> Zea mays

<400> 18

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caatggaacc acagatcagg tcgagaagat tgtcaaaacc ctgaatgaag gacagggttc 180
cccttcagat gttgtggagg tcgttgctcag ccctccttat gtcttccttc ctgtgggtcaa 240
gagccagctg cgccaagagt tccatgttgc tgctcagaac tgctgggtga agaagggagg 300

tgctttcact ggtgaagtca gtgctgagat gctcgtca 338

<210> 19
<211> 298
<212> DNA
<213> Zea mays

<400> 19

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tctgaaagga gagctctgct gggagaatca aatgaatttg ttggagacaa ggttgcgtat 120
gcctgtctc agggactaaa ggtcattgca tgtgttggtg agacccttga gcagagggag 180
gctgggtcta ccatggatgt tgttgctgca caacaaaag caattgctga gaagatcaag 240
gactggagca acgtagtgtg tgcctatgaa ccagtttggg ctattggaac tggtaaag 298

<210> 20
<211> 283
<212> DNA
<213> Zea mays

<400> 20

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aggagagctc tgctgggaga atcaaatgaa tttgttgagg acaaggttgc gtatgccctg 120
tctcagggac taaaggatcat tgcattgtgtt ggtgagaccc ttgagcagag ggaggctggg 180
tctaccatgg atgttgttgc tgcacaaaca aaagcaattg ctgagaagat caaggactgg 240
agcaacgtag ttgttgccca tgaaccagtt tgggctattg gaa 283

<210> 21
<211> 290
<212> DNA
<213> Zea mays

<400> 21

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tgctgagaag atcaaggact ggagcaacgt agttgttgcc tatgaaccag tttgggctat 120
tggaactggt aaagttgcc cccagctca ggctcaggaa gtgcacgcct ccctgaggga 180
ttggctaaaag accaatgcc gccctgaggt tgetgaatct actaggatca tctacggagg 240
ctctgtaact gctgcgaact gcaaagagct agcagcacag cctgatgtcg 290

<210> 22
<211> 290
<212> DNA
<213> Zea mays

<400> 22

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tgagatgctc gtcaaccttg gtgttccttg ggtcattctt ggacactctg aaaggagagc 120
tctgctggga gaatcaaatg aatttggttg agacaagggt gcgtatgccc tgtctcaggg 180
actaaaggctc attgcatgtg ttggtgagac ccttgagcag agggaggctg ggtctaccat 240
ggatgttggt gctgcacaaa caaaagcaat tgctgagaag atcaaggact 290

<210> 23
<211> 276
<212> DNA
<213> Zea mays

<400> 23

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gttgcgatg ccctgtctca gggactaaag gtcattgcat gtgttggtga gacccttgag 120
cagagggagg ctgggtctac catggatgtt gttgctgcac aaacaaaagc aattgctgag 180
aagatcaagg actggagcaa cgtagttgtt gcctatgaac cagtttgggc tattggaact 240
ggtaaagttg ccaccccagc tcaggctcag gaagtg 276

<210> 24
<211> 316
<212> DNA
<213> Zea mays

<400> 24

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tgccacccca gctcaggctc aggaagtgca cgctccctg agggattggc taaagaccaa 180
tgccagccct gaggttgctg aatctactag gatcatctac ggaggctctg taactgctgc 240
gaactgcaaa gagctagcag cacagcctga tgcgatgggt tttcttgctg gtggagcttc 300
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<210> 25
<211> 313
<212> DNA
<213> Zea mays

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<222> (1)..(313)
<223> unsure at all n locations

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tgtcgatggt tttcttgctg gtggagcttc tttgaagcct gagttcatcg acatcatcaa 180
cgcggccacc gtgaagtccg cttaatgatgc tacgctgaag acgaacatac tttttttttg 240
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cnaacttcta gct 313

<210> 26
<211> 277
<212> DNA
<213> Zea mays

<400> 26

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ctgggagaat caaatgaatt tgttgagac aaggttgcgt atgcctgtc tcagggacta 180
aaggtcattg catgtgttg tgagaccctt gagcagaggg aggctgggtc taccatggat 240
gttgttgctg cacaacaaa agcaattgct gagaaga 277

<210> 27
<211> 268
<212> DNA
<213> Zea mays

<400> 27

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ccatggaggt tgttgctgca caaacaaaag caattgctga gaagatcaag gactggagca 120
acgtattgtt gcctatgaac cagtttgggc tattggaact ggtaaagttg ccacccagc 180
tcaggctcag gaagtgcacg cctccctgag ggattggcta aagaccaacg tcagccctga 240

ggttgctgaa tctactagga tcattttac 268

<210> 28
<211> 307
<212> DNA
<213> Zea mays

<400> 28

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ttgctgcaca aacaaaagca attgctgaga agatcaagga ctggagcaac gttgttcttg 180
cctatgaacc agtctgggct attggaactg gcaaagtcgc caccagct caggctcagg 240
aagtgcacgc ctccctgagg gattgggtaa agatcaatgt cagccctgag gtctctgaat 300
ctacaag 307

<210> 29
<211> 285
<212> DNA
<213> Zea mays

<400> 29

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aaagttgccca cccagctca ggctcaggaa gtgcacgcct ccctg 285

<210> 30
<211> 337
<212> DNA
<213> Zea mays

<400> 30

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tgttgcctat gaaccagttt gggctatttg aactggtaaa gttgccaccc cagctcaggc 180
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tgaatctact aggatcatct acggaggctc tgtaactgct gcgaactgca aagagctagc 300

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<400> 31

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gaatgaagga caggttcccc cttcagatgt tgtggaggtc gttgtcagcc ctcttatgt 180

cttcttcct gtggtcaaga gccagctgcg ccaagagttc catgttgctg ctcagaactg 240

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tg 302

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<212> DNA
<213> Zea mays

<400> 32

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ctttactgg tgaagtcagt gctgagatgc tcgtcaacct tgggtgtccc tgggtcattc 120

ttggacactc tgaaaggaga gctctgctgg gagaatcaaa tgaatttggt ggagacaagg 180

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agagggaggc tgggtc 256

<210> 33
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<213> Zea mays

<400> 33

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agctctgctg	ggagaatcaa	atgaatttgt	tggagacaag	gttgcgatg	ccctgtctca	180
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catggatggt	gttg					254

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 <211> 341
 <212> DNA
 <213> Zea mays

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aaccctgaat	gaaggacagg	ttcccccttc	agatgttgtg	gaggtcgttg	tcagccctcc	180
ttatgtcttc	cttcctgtgg	tcaagagcca	gctgcgccaa	gagttccatg	ttgctgctca	240
gaactgctgg	gtgaagaagg	gaggtgcttt	cactggtgaa	gtcagtgtg	agatgtcgt	300
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<400> 37

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acggaggctc tgtaactgct gcgaactgca aagagctagc agcacagcct gatgtcgatg 180
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